

Title (en)

Device and method for controlling audio reproduction

Title (de)

Vorrichtung und Verfahren zur Tonwiedergabesteuerung

Title (fr)

Dispositif et procédé de contrôle de la reproduction audio

Publication

**EP 2541813 A1 20130102 (EN)**

Application

**EP 11005299 A 20110629**

Priority

EP 11005299 A 20110629

Abstract (en)

Method and device for controlling audio reproduction, - wherein a data stream (A R ) of an audio signal is received and is output as an analog signal (S A ) through a loudspeaker (9), - wherein the data stream (A R ) is subdivided into segments (A 1 , A 2 , A 3 ), characterized in that - the segments (A 1 , A 2 , A 3 ) of the data stream (A R ) are assigned to audio classes (M, Sp) in accordance with an audio classification, the segments (A 1 , A 2 , A 3 ) being assigned by analyzing the data stream (A R ), - at least one audio class (Sp) of the audio classification is defined by a user input (UI), - a number of segments (A 2 ) of the data stream (A R ) that are assigned to the defined audio class (Sp) are replaced with an audio file (A F1 ), and - the audio file (A F1 ) is output as an analog signal (S A ) through the loudspeaker (9).

IPC 1-7

**G10L 11/02**

IPC 8 full level

**H04H 20/10** (2008.01); **H04H 60/47** (2008.01)

CPC (source: EP US)

**H04H 20/106** (2013.01 - EP US); **H04H 60/372** (2013.01 - EP US); **H04H 60/65** (2013.01 - EP US); **G10L 25/78** (2013.01 - EP US); **H04H 60/46** (2013.01 - EP US); **H04H 60/47** (2013.01 - EP US)

Citation (applicant)

- US 2007190928 A1 20070816 - NICHOLS TIMOTHY C [US], et al
- EP 1271780 A2 20030102 - HARMAN BECKER AUTOMOTIVE SYS [DE]
- "A Survey of Audio-Based Music Classification and Annotation", IEEE TRANSACTIONS ON MULTIMEDIA, vol. 13, no. 2, April 2011 (2011-04-01)

Citation (search report)

- [XY] US 2010268360 A1 20101021 - INGRASSIA MICHAEL [US], et al
- [X] WO 2006112822 A1 20061026 - THOMSON LICENSING [FR], et al
- [Y] EP 1569443 A1 20050831 - MATSUSHITA ELECTRIC IND CO LTD [JP]
- [A] ZHOUYU FU; GUOJUN LU; KAI MING TING; DENGSHENG ZHANG: "A Survey of Audio-Based Music Classification and Annotation", IEEE TRANSACTIONS ON MULTIMEDIA, vol. 13, no. 2, April 2011 (2011-04-01), XP002665032

Cited by

EP2928094A1; DE102022102563A1

Designated contracting state (EPC)

AL AT BE BG CH CY CZ DE DK EE ES FI FR GB GR HR HU IE IS IT LI LT LU LV MC MK MT NL NO PL PT RO RS SE SI SK SM TR

Designated extension state (EPC)

BA ME

DOCDB simple family (publication)

**EP 2541813 A1 20130102**; US 2013003986 A1 20130103; US 9014391 B2 20150421

DOCDB simple family (application)

**EP 11005299 A 20110629**; US 201213536759 A 20120628